

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	016285-43.00US
First Inventor	Heng, Pheng-Ann
Title	Block-Based Fragment Filtration With Feasible Multi-Gpu Acceleration For Real-Time Volume Rendering On Conventional Personal Computer
Express Mail Label No.	FV 337 298 435 US

<b>APPLICATION ELEMENTS</b>	
See MPEP chapter 600 concerning utility patent application contents.	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i>	2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.
3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages 26]</span> <i>(preferred arrangement set forth below)</i> - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings ( <i>if filed</i> ) - Detailed Description - Claim(s) - Abstract of the Disclosure	4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C.113) <span style="float: right;">[Total Sheets 10]</span>
5. Oath or Declaration <span style="float: right;">[Total Pages 1]</span>	a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for a continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	

<b>ADDRESS TO</b>	
Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>
a. <input type="checkbox"/> Computer Readable Form (CRF)	b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> Paper number of pages
c. <input type="checkbox"/> Statements verifying identity of above copies	
<b>ACCOMPANYING APPLICATIONS PARTS</b>	
9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))	10. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i>
11. <input type="checkbox"/> English Translation Document ( <i>if applicable</i> )	12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations
13. <input type="checkbox"/> Preliminary Amendment	14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i>
15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i>	16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17. <input type="checkbox"/> Other:	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)    of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

For CONTINUATION OF DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number		20350	OR	<input type="checkbox"/> Correspondence address below
Name				
Address				
City		State		Zip Code
Country		Telephone		Fax

Name (Print/Type)	Kenneth R. Allen		Registration No. (Attorney/Agent)	27,301
Signature			Date	April 20, 2004

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 425)

**Complete if Known**

Application Number	Unassigned
Filing Date	Herewith
First Named Inventor	Heng, Pheng-Ann et al.
Examiner Name	Unassigned
Art Unit	Unassigned
Attorney Docket No.	016285-43.00US

**METHOD OF PAYMENT (check all that apply)**

Check  Credit Card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number

20-1430

Deposit Account Name

Townsend and Townsend and Crew LLP

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001	2001	770	365	Utility filing fee	385
1002	2002	340	170	Design filing fee	
1003	2003	530	265	Plant filing fee	
1004	2004	770	385	Reissue filing fee	
1005	2005	160	80	Provisional filing fee	

SUBTOTAL (1)

(\$385)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Independent Claims	Multiple Dependent	Fee from below		Fee Paid
			Extra Claims	Fee (\$)	
13	1		-20** = 0	X\$9	\$0
			-3** = 0	X\$43	\$0
			X		

Large Entity

Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description
1202	2202	18 9 Claims in excess of 20
1201	2201	86 43 Independent claims in excess of 3
1203	2203	290 145 Multiple dependent claim, if not paid
1204	2204	86 43 ** Reissue independent claims over original patent
1205	2205	18 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$0)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

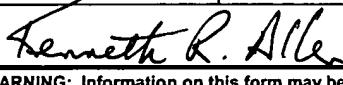
Large Entity	Entity	Small Entity	Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive – unavoidable	
1453	1,330	2453	665	Petition to revive – unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$40)

**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	Kenneth R. Allen	Registration No. (Attorney/Agent)	27,301	Telephone	650-326-2400
Signature				Date	April 20, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.